Exhibit C.10a TRA Facilities - Demolition

Building Number	Building Name	Area (sq ft)	Number of Floors	Number Below Grade	Year Built	Facility Construction/Characteristics	Facility Usage/Capabilities	Occupied	Contaminated	Type	Level	Related Documents	Comments
TRA-604 (MTR)	MTR Building - Wing A (Laboratory)	41,744	2	1	1952	Masonry exterior walls. Contains laboratories, radiography caves, offices, radiochemistry equipment, etc. Basement contains electrical transmission equipment (switch gear, etc.)	The building is a chemistry and radiochemistry laboratory building. It houses a number of laboratories and equipment for analytical of chemicals and radioactive elements.	Yes	Yes	bg	Potentially contaminated piping and labortory systems	ASA-112, HAD-166	This building is currently in use by the INL. The contactor shall coordinate with the INL contractor on demolition and utility removal plans. Potentially contains piping systems that are part of VCO Appendix B, 5.8.d.
TRA-610 (MTR)	MTR Fan House	3,216	1	0	1952	Masonry exterior walls. Located next to the MTR main stack, the building houses fans for MTR ventilation exhaust.	The building has recently been used for storage of materials and equipment by facility electricians.	No	Yes	bg	Internal blower contamination likely		This building in currently is use by the INL. The contactor shall coordinate with the INL contractor on demolition and utility removal plans. Conservative source term estimate in late 2001 for TRA-610 and -710 is -- C0-60 = 2.76E-3 Ci; Ba-133 = 2.46E-4 Ci; Ag-108m = 2.48E-4 Ci; Sr-90 = 6.67E-4; C-14 = 1.09E-3 Ci; Ni-63 = 2-09E-3; Eu-152 = 5.17E-4; Cs-137 = 2.48E-2 Ci.
TRA-626 (MTR)	Maintenance Storage Building	14,272	2	0	1952	One-room shed. Masonry exterior walls	This shed has been used to store equipment for grounds maintenance, lawn mowers, etc.	No	No				This building is currently in use by the INL. The contactor shall coordinate with the INL contractor on demolition and utility removal plans.
TRA-630 (MTR)	Catch Tank Pump House	396	1	0	1996	One-room steel frame building housing pumps and valve equipment for the TRA-730 hot waste catch tanks.	Building in use until catch RCRA closure complete under VCO.	No	Yes		Piping systems are contaminated.		This building is currently in use as part of the 730-catch tanks RCRA closure under the VCO. The contactor shall coordinate with the INL contractor on demolition and utility removal plans.
TRA-635 (MTR)	Material Receiving and Lab Area	22,046	2	0	1952	Masonry exterior walls. High bay building. Contains out-of-service 15-ton bridge crane.	The building has recently been used for general storage and receipt of materials that are shipped into the TRA facility. It houses a recycling center and temporary waste accumulation area. It also houses a radiography cave.	Yes	Probable		Contamination anticipated in below-grade waste piping systems.	ASA-112	This building is currently in use by the INL. The contactor shall coordinate with the INL contractor on demolition and utility removal plans. Potentially contains piping systems that are part of VCO Appendix B, 5.8.d.
TRA-643	ETR Compressor Building	11151	1	0	1957	Steel framed with large open floor. Contains most of the orginal compressor equipment for ETR as it was originally configured.	Out of service. Since it was shut down, available floor space has been used for storage. Houses the equipment that was used to supply large quantities of heated, hydrocarbon-free compressed air to various experiments and other reactor support systems.	No	Yes	bg	Significantly contaminted cubicles in basement. Levels uncertain. 10,000-100,000 dpm/100cm2	ASA-105, HAD-200 and EDF TRA-2000-004.	Contamination area is located on a mezzanine, and inside a contaminated hood. Wet pipe fire suppression sprinkler system is active. Original compressor systems largely still in place. See VCO SITE-TANK-005, several tank systems.
TRA-644	ETR Heat Exchanger Bldg	6793	2	1	1957	Masonry Exterior Walls	Out of service. The primary function of the heat exchanger building main room was to house the 12 primary coolant-to-secondary coolant heat exchangers and associated piping for ETR. The building is a high radiation area.	No	Yes	Beta-Gamma	2000-50,000 dpm/100cm2	ASA-105, HAD-200 and EDF TRA-2000-004.	Some areas within this building have not been surveyed to due confined space and fall protection issues. See VCO SITE-TANK-005 system TRA-012 and TR 022.
TRA-648	ETR Electrical Building	9785	1	0	1957	Masonry Exterior Walls. Single open floor. A diesel room in the southwest corner of the building houses one of two Superior diesel generators that supported ETR. The other Superior diesel generator is in building TRA-663 directly to the south and connected to TRA-648.	Contains banks of electrical switch gear for the ETR reactor. Some power has continued to be routed through this gear to support TRA operations even though the ETR reactor has been out of service for several years. The switch gear will be taken out of service during FY 2004.	No	No				See VCO SITE-TANK-005 system TRA-034.
TRA-651	Maintenance/Storage Shed	672											
TRA-654 (MTR)	General lab/High Bay (old ETRC)	2,400	2	0	1959	Masonry exterior walls. High bay area. Contains 10-ton capacity bridge crane.	Since decontamination in the late 90s, the building has been used for physics experiments.	No	Minor, if any			ASA-112	
~~TRA-655~~	~~ETR Air Intake Bldg~~	~~300~~	~~1~~	~~0~~	~~1957~~	~~Reinforced Concrete. One room vented structure covering the air intake for ETR.~~	~~Out of service~~	~~No~~	~~Yes~~	~~Beta-Gamma~~	~~Possible minimal contamination~~		~~There are no survey data available. Only slight contamination is likely.~~
TRA-657 (MTR)	MTR Plug Storage Building	5,000	1	0	1952	Masonry exterior walls, single open room. The 21 plug storage holes are empty. The plug holes extend 29 feet into a 12-foot high compacted earthen berm.	The building is now used for material and equipment storage and houses a temporary waste accumulation area.	No	Yes	bg	Some contamination inside plug holes anticipated. Labeled as contamination area	ASA-112, HAD-220	Plug holes were defueled, but they were not decontaminated. Therefore, they are still labeled as a contamination area.
TRA-661 (MTR)	Radiochemistry Laboratories	7,760	1	0	1962	Masonry exterior walls. Laboratories throughout.	The building houses radiochemistry laboratories and is still in use.	Yes	Yes		Contaminated laboratory and piping systems probable	ASA-112	This building is currently in use by the INL. The contactor shall coordinate with the INL contractor on demolition and utility removal plans. Potentially contains piping systems that are part of VCO Appendix B, 5.8.d.
TRA-663	ETR Superior Diesel Building	1,120											
TRA-665 (MTR)	Storage Building	776	1	0	1962	This single room reinforced concrete building is attached to the MTR building.	It is used to store radioactive sources and material.	No	Minor potential		Minimal potential contamination	ASA-112	
TRA-668 (MTR)	MTR North Wing Extension	3,596	1	0	1956	Masonary exterior walls. Laboratories throughout.	Physics laboratoires. Currently in use.				Contaminated laboratory and piping systems probable	ASA-112	This building is currently in use by the INL. The contactor shall coordinate with the INL contractor on demolition and utility removal plans. Potentially contains piping systems that are part of VCO Appendix B, 5.8.d.
TRA-704	ETR Primary Filter Pit					Concrete vault. Hatch covers require a crane to lift them.	Underground pit houses two filters surrounded with four inches of lead and encased with carbon steel and high density concrete.		Yes	Beta-Gamma	Cobalt-60 - 8.4 Ci; Barium-137m - 159.6 Ci; Cesium-137 - 168 Ci; Strontium-90 - 1.29 Ci	ASA-105, HAD-200 and EDF TRA-2000-004.	Located in hatched pit to the north of TRA-647. VCO SITE-TANK-005 tank system TRA-033. Tank Database 98TRA00357.
TRA-705	ETR Secondary Filter Pit					Concrete vault housing canister charcoal filters. Hatch covers require a crane to lift them.	Houses two filters, is the same size as the primary pit.		Yes	Beta-Gamma	Cobalt-60 - 8.4 Ci; Barium-137m - 159.6 Ci; Cesium-137 - 168 Ci; Strontium-90 - 1.29 Ci	ASA-105, HAD-200 and EDF TRA-2000-004.	VCO SITE-TANK-005 tank system TRA-033. Tank Database 98TRA00233. Underground pit houses two filters surrounded with four inches of lead and encased with carbon steel and high density concrete.
TRA-706	Delay tanks					There are two cylindrical delay tanks in this pit. The major diameters of the housings are approximately 17 ft and 14 ft. The housings and concrete ends are about 70 ft long. The tops of the tanks are about 8 ft below grade.	These tanks originally provided ETR exhaust delay to allow time for short-lived nuclides to decay before being vented through the stack.		Yes	Beta-Gamma	Unknown	ASA-105, HAD-200 and EDF TRA-2000-004.	VCO SITE-TANK-005 tank system TRA-033. Tank Database 98TRA00231. No measurable external contamination. Internals assumed to be contaminated.
TRA-709 (MTR)	MTR Air Intake (MTR					Air intake for TRA-603 and -604. 8' X 8' free-standing metal structure. Louvered, screened intakes on all but west side.			No				
~~TRA-710 (MTR)~~	~~MTR Exhaust Stack (MTR)~~				~~1952~~	~~Concrete, free-standing stack, 250 feet tall, 10 feet in dimater at base.~~	~~Vents ventilation exhaust from the MTR reactor complex through TRA-610 the MTR fan house. It's main current use is to vent the MTR reactor vessel and laboratories (TRA-604)~~		~~Yes~~		~~Some contamination probable inside stack~~		~~Conservative source term estimate in late 2001 for TRA-610 and -710 is -- C0-60 = 2.76E-3 Ci; Ba-133 = 2.46E-4 Ci; Ag-108m = 2.48E-4 Ci; Sr-90 = 6.67E-4; C-14 = 1.09E-3 Ci; Ni-63 = 2-09E-3; Eu-152 = 5.17E-4; Cs-137 = 2.48E-2 Ci. This structure is currently in use by the INL. The contactor shall coordinate with the INL contractor on demolition and utility removal plans.~~
TRA-730	Hot Waste Catch Tanks												

NOTE: Redlined items were previously deleted by Mod 36 - Material Differences, dated 1/18/2007

Exhibit C.10a TRA Facilities - Demolition

TRA-753	ETR exhaust stack					Concrete. This was the main ETR stack. It is currently used only to exhaust ETR building complex ventilation. 250 feet high, 14 feet in diameter at base and 6 feet in diameter at top.			Possible				Mastic lining contains PCBs.
TRA-755	ETR Filter Pit					Pumice block construction.	Houses fans that were associated with experimenter's service exhaus Exhausted waste gasses from ETR to main stack.		Yes	Beta-Gamma	Cobalt-60 - 6.9 Ci; Barium-137m - 131.9 Ci; Cesium-137 - 138 Ci; Strontium-90 - 1.06 Ci	ASA-105, HAD-200 and EDF TRA-2000-004.	VCO SITE-TANK-005 tank system TRA-033. Tank Database 98TRA00285, 98TRA00286, 98TRA00287. Underground filter pit housings containing the three loop filters enclosed in steel canisters surrounded by high density concrete.
TRA-779	Decon Pad	1,200											
TRA-784 (MTR)	Liquid Nitrogen Tank				2000	3,000 gal. Contains liquid nitrogen for laboratory - vertical, cylindrical tank. Tank is plumbed into the northeast corner of TRA-657 where laboratory personnel retrieve liquid nitrogen rom the tank.			No				The INL has the prerogative to remove the tank for its use at an alternate location prior to its removal by the ICP contractor. If it has not been removed by the time the ICP contractor is ready to demolish the MTR complex then removing the tank remains the responsibility of the ICP contractor.
Note: Since the TRA-710 MTR Exhaust Stack will not be demolished, Contractor is required to re-route the existing exhaust system.													